

AMENDMENTS TO THE CLAIMS

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (currently amended): A tag having enhanced tamper detection capabilities for use with a monitoring system, the tag having an identification code, the tag is placed within a housing, the tag comprising:

- a power supply,
- a central processing unit,
- at least one strap for attaching the tag to the limb of a person,
- a motion sensor for determining pattern of the motion of the person wearing the tag wherein the pattern of motion so determined being compared with a stored pattern of motion for determining whether the tag was tampered with;
- a second sensor for detecting that whether the tag was tampered with, and
- a transmitter for transmitting a tamper signal to a remote monitoring unit.

Claim 2 (currently amended): The tag of claim 1 further comprises comprising a receiver for receiving data from the a remote monitoring unit, said data including predetermined thresholds for the operation of the motion sensor and the second strap-cut sensor.

Claim 3 (currently amended): The tag of claim 1 wherein the transmitter is a radio frequency transmitter.

Claim 4 (original): The tag of claim 1 wherein a motion sensor is one of the following: a tilt sensor, an acceleration sensor, an angular sensor, an inclination sensor, a position sensor.

Claim 5 (original): The tag of claim 1 wherein the second sensor is a proximity sensor for detecting the presence of a limb between the straps attached to the tag.

Claim 6 (original): The tag of claim 1 wherein the second sensor is a strap cut sensor for detecting that at least one of the straps of the tag has been tampered with.

Claim 7 (original): The tag of claim 6 wherein tampered with comprises a cut in or a removal of the strap.

Claim 8 (currently amended): The tag of claim 3 5 wherein a the proximity sensor is one of the following: a capacitance sensor, a skin or a body temperature detector, a skin color detector, a body or a skin odor sensor, heart pulse detector, SpO₂ detector, skin humidity sensor, trans dermal blood alcohol sensor.

Claims 9 - 23. (canceled).

Claim 24 (original): A method for monitoring and detecting a monitored person's behavior for distinguishing between different monitored persons, the method comprising the steps of:

examining signals received from at least one motion sensor located within a tag strapped to the limb of a monitored person at predetermined intervals;

processing the signals to determine a pattern of motion related behavior associated with the monitored person;

storing the pattern of motion related behavior associated with the monitored person; and

comparing the pattern of motion related behavior associated with the monitored person with a motion related behavior signal pattern.

Claim 25 (Original): The method of claim 24 wherein the step of comparing comprises the comparison of motion related behavior associated with the monitored person with a stored motion related behavior signal pattern.

Claim 26 (Original): The method of claim 24 wherein the step of comparing is performed in the tag.

Claim 27 (Original): The method of claim 24 wherein the step of comparing is performed in a remote monitoring unit.

Claim 28 (Original): The method of claim 24 further comprising the step of transmitting an indication signal to a remote monitoring unit.

Claim 29 (Original): The method of claim 24 wherein the stored motion related behavior signal pattern was previously stored.

Claim 30 (Original): The method of claim 24 wherein the stored motion related behavior signal pattern is predetermined.

Claim 31 (Original): The method of claim 24 wherein the signals received from a motion sensor comprise at least one data unit, each data unit comprising the time and length of movement by the monitored person.

Claim 32 (Original): The method of claim 24 wherein the pattern of motion related behavior is a series of data units comprising time and length of movement describing actions.

Claim 33 (New): The method of claim 24 further comprising a step of examining a signal received from a body or proximity sensor.

Claim 34 (New): The method of claim 33 wherein the step of examining the signal of the body or proximity sensor comprises comparing the signal to predetermined thresholds.

Claim 35 (New): The method of claim 24 further comprising a step of examining a signal received from a strap cut sensor.

Claim 36 (New): The method of claim 35 wherein the step of examining the signal of the strap cut sensor comprises comparing the signal to predetermined thresholds.